

FIG. 1

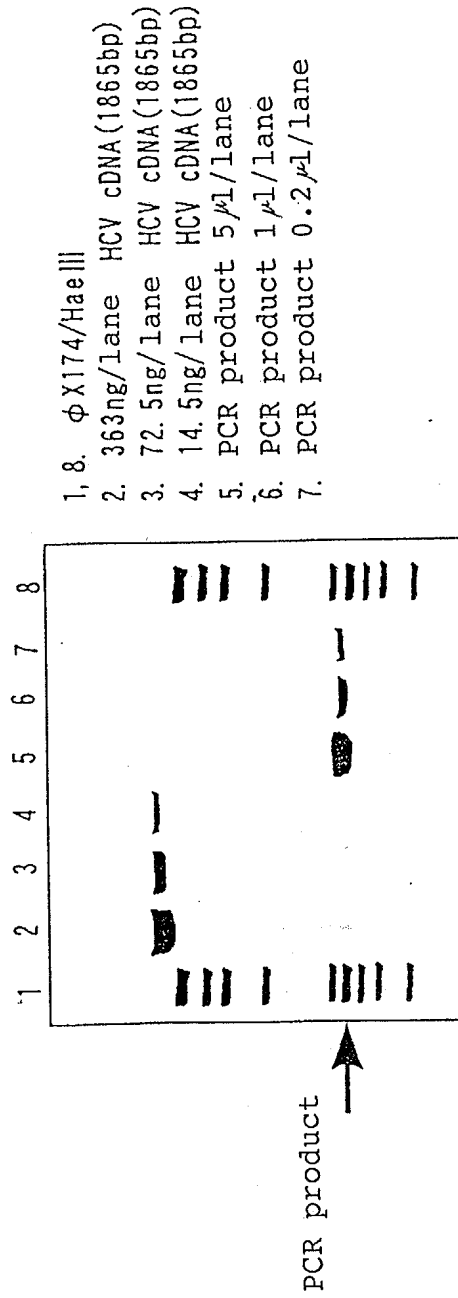
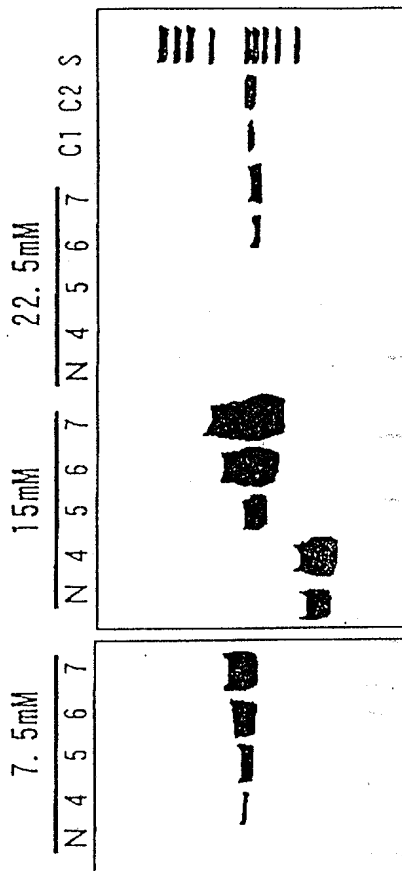


FIG. 2

Magnesium acetate concentration



N: Negative

Numerals logarithmically denote the initial copy number (/test) of the standard DNA

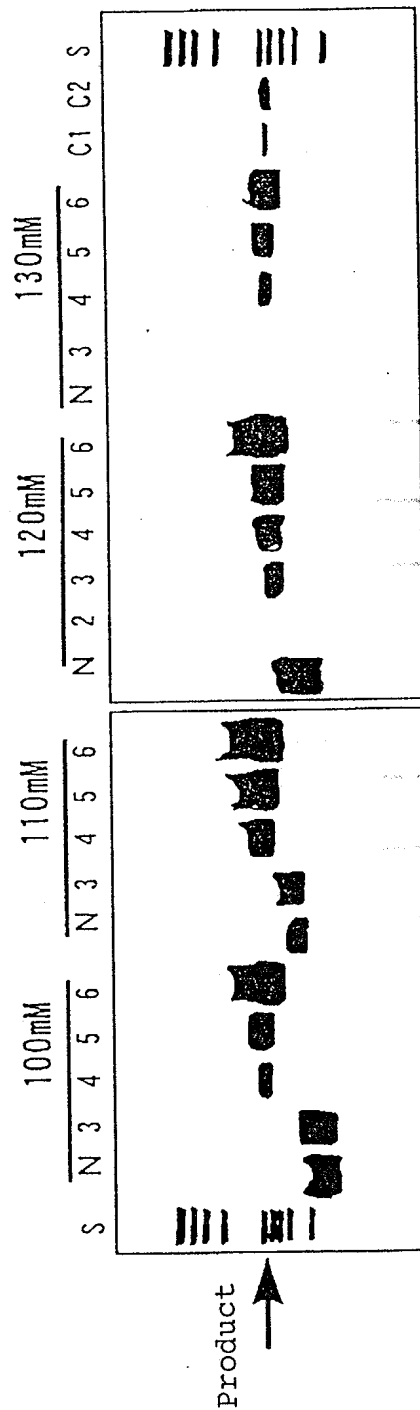
C1: 10¹⁰ copy/1 lane standard DNA

C2: 5X10¹¹ copy/1 lane standard DNA

S: ϕ X174/HaeIII

FIG. 3

Potassium acetate concentration

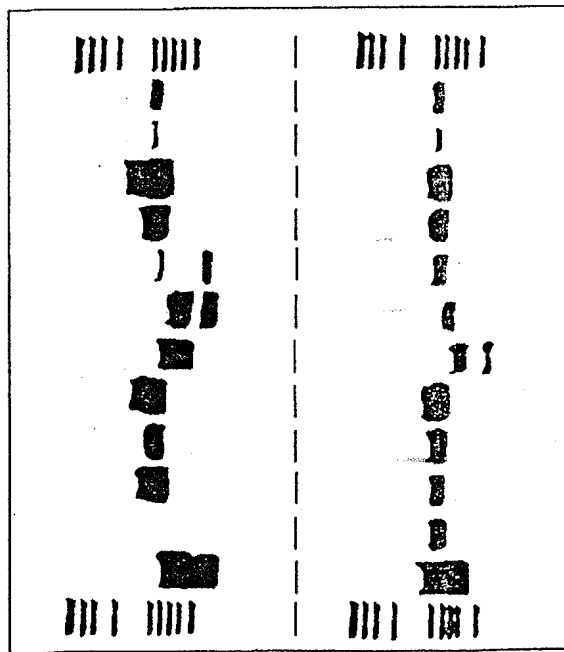


N: Negative
 Numerals logarithmically denote the initial
 copy number (/test) of the standard DNA
 C1: 10¹⁰ copy/1 lane standard DNA
 C2: 5 × 10¹¹ copy/1 lane standard DNA
 S: ϕ X174/HaeIII

FIG. 4

Final sorbitol concentration

15% 11.3%
S N 3 4 5 6 N 3 4 5 6 C1 C2 S



9% 7.5%
N 3 4 5 6 N 3 4 5 6

Final Sorbitol concentration

N: Negative
Numerals logarithmically denote the initial
copy number (/test) of the standard DNA
C1: 10^{10} copy/1 lane standard DNA
C2: 5×10^{11} copy/1 lane standard DNA
S: ϕ X174/HaeIII

FIG. 5

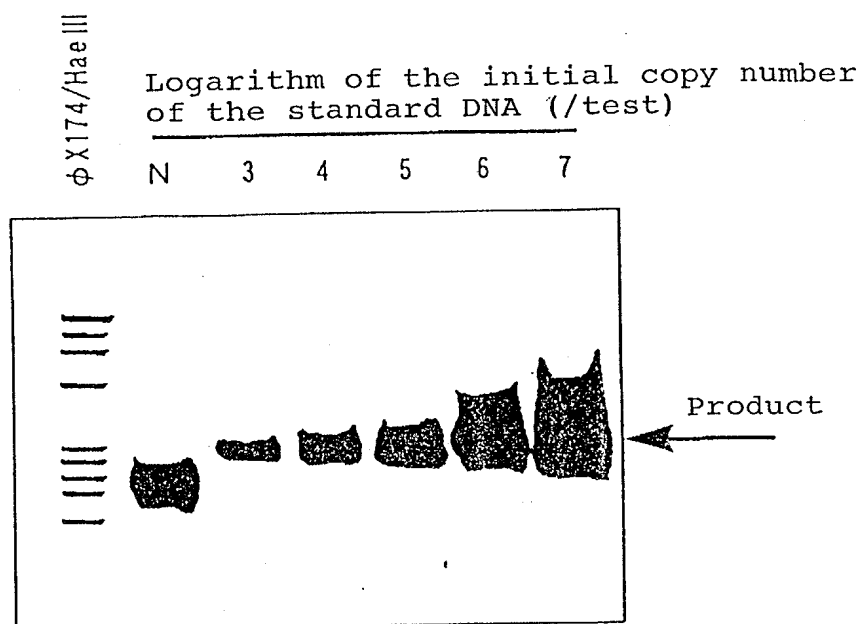
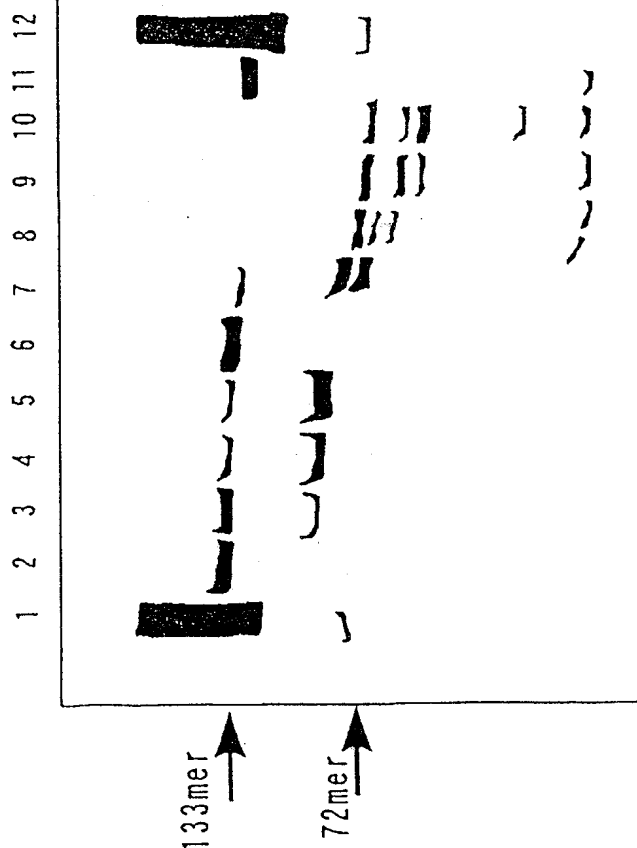


FIG. 6



- 1, 12. Thermally denatured x174/HaeIII
2. Tris-acetate buffer 7×10^{-6} U/ μ l RNaseH
3. Tris-acetate buffer 7×10^{-5} U/ μ l RNaseH
4. Tris-acetate buffer 7×10^{-4} U/ μ l RNaseH
5. Tris-acetate buffer 7×10^{-3} U/ μ l RNaseH
6. Tris-acetate buffer RNaseH without addition of RNaseH
7. Tris-HCl buffer 10^{-5} U/ μ l RNaseH
8. Tris-HCl buffer 10^{-4} U/ μ l RNaseH
9. Tris-HCl buffer 10^{-3} U/ μ l RNaseH
10. Tris-HCl buffer 10^{-2} U/ μ l RNaseH
11. Tris-HCl buffer RNaseH without addition of RNaseH

FIG. 7

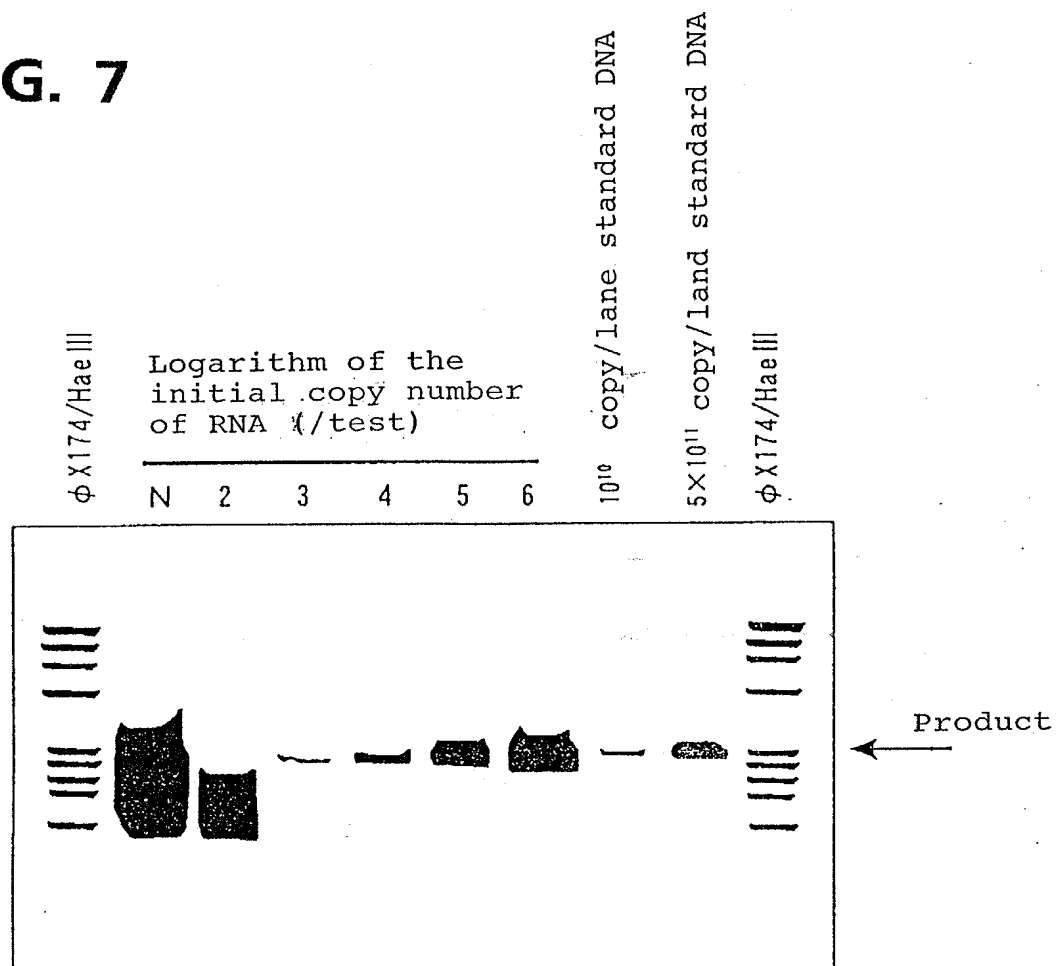


FIG. 8

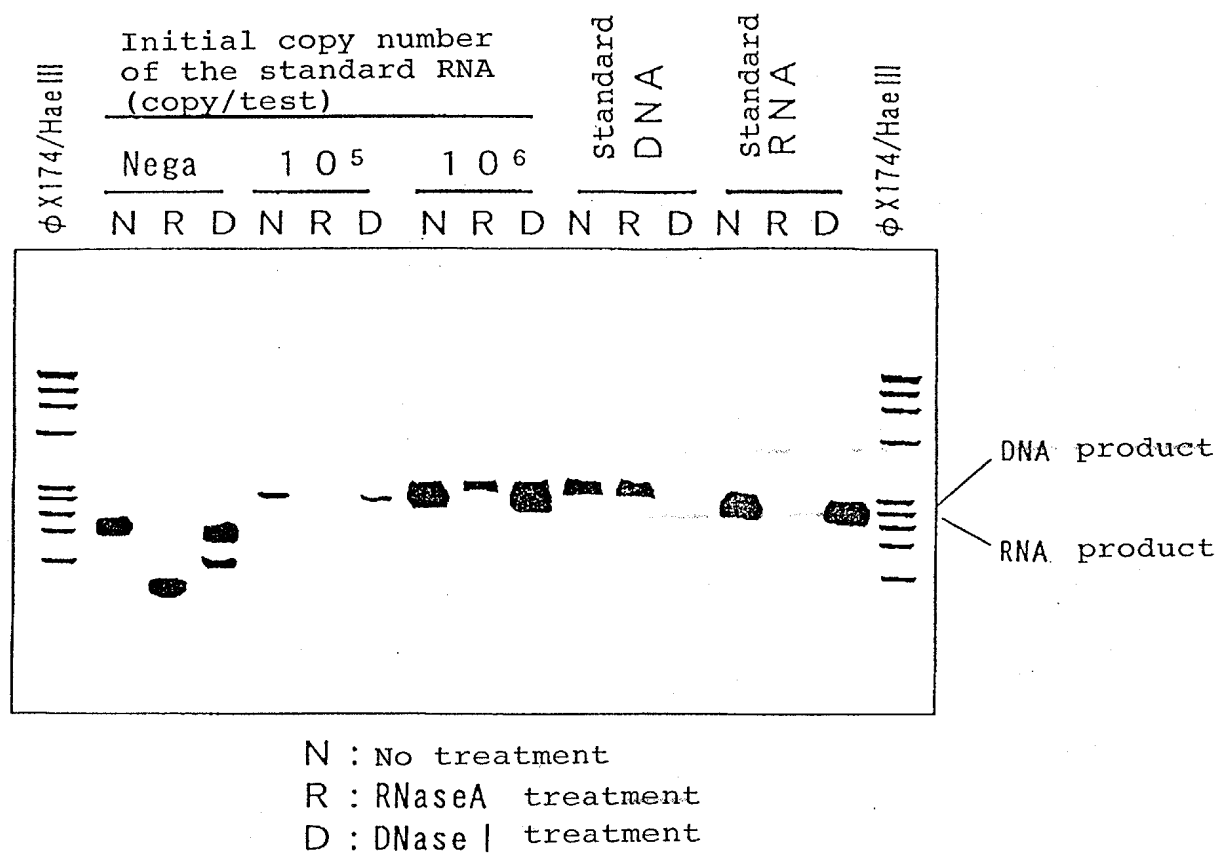


FIG. 9

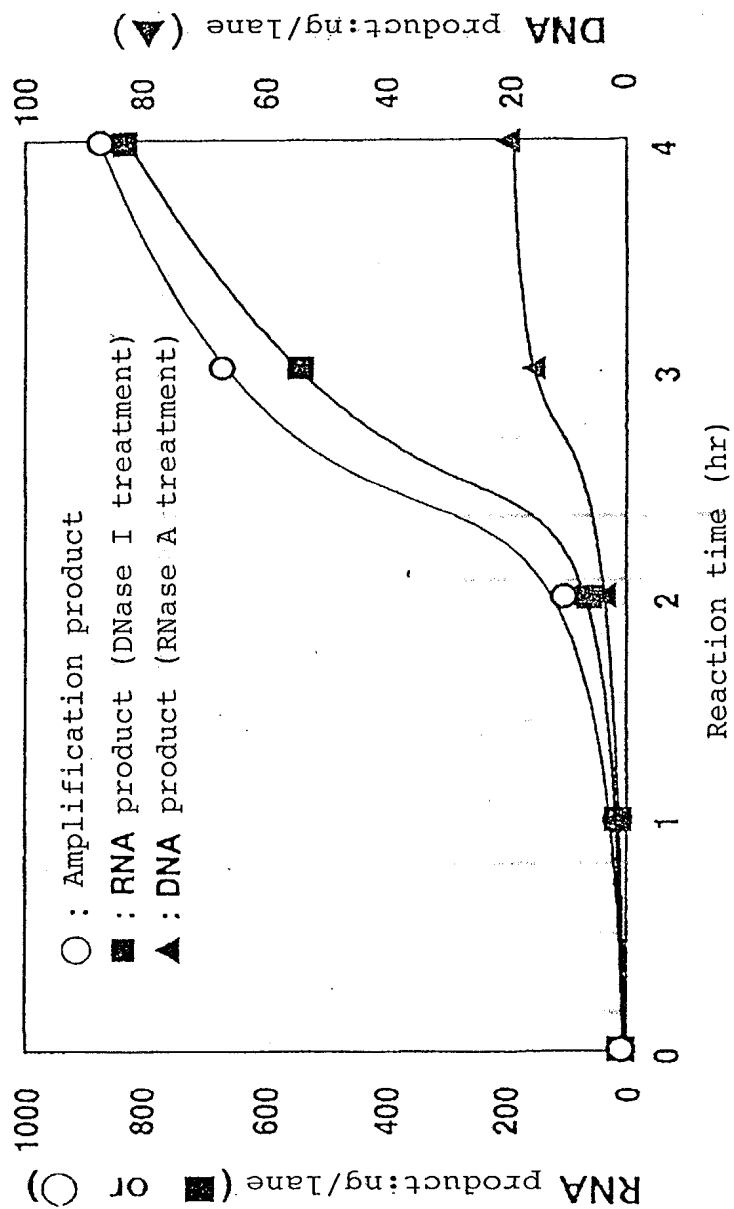
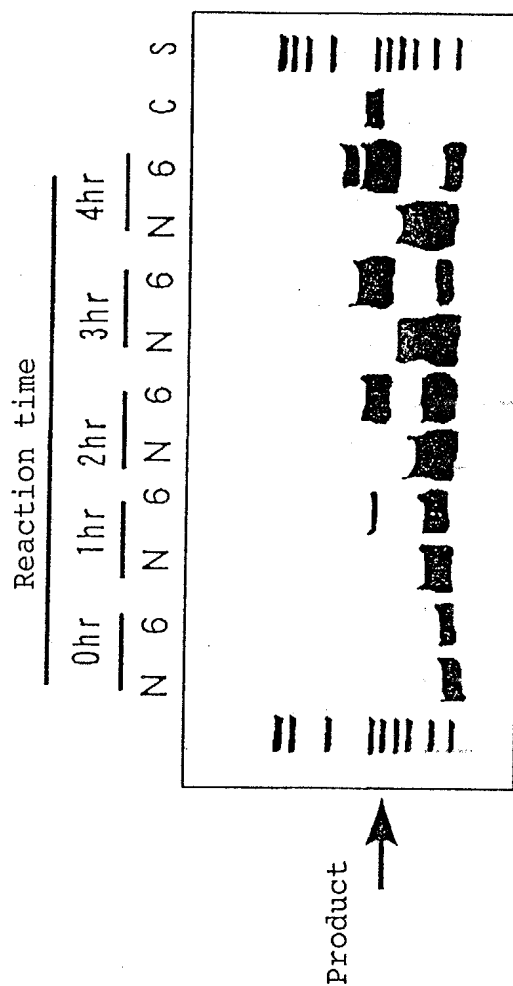


FIG. 10



N: Negative

6: 10^6 copy / 5μ l, initial copy number of standard DNA

C: 10^{11} copy / 1 lane standard DNA

S: ϕ X174/HaeIII

FIG. 11

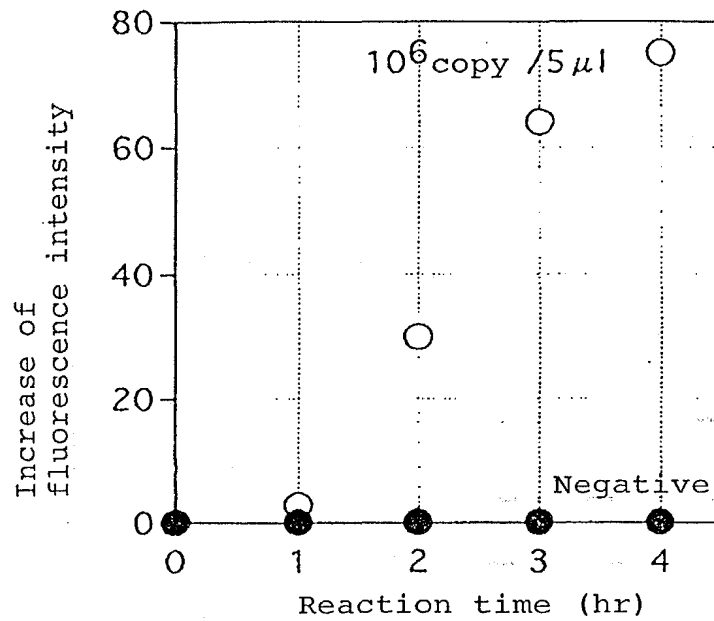
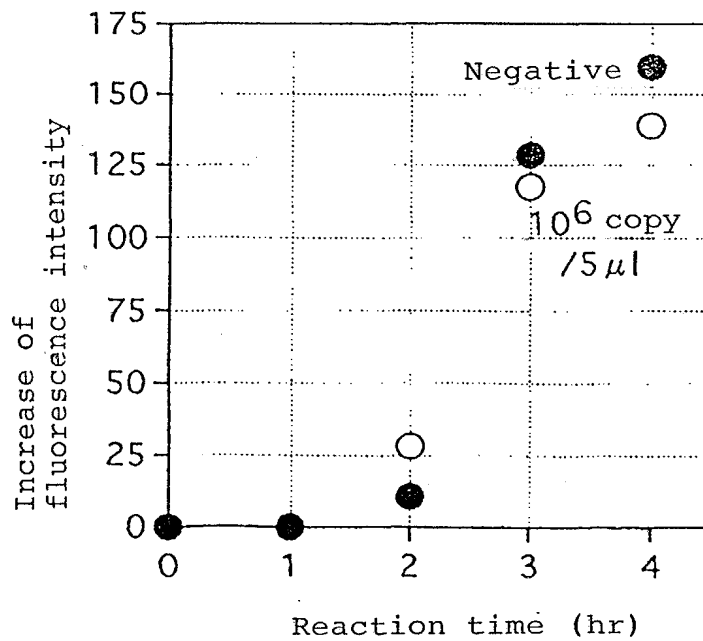


FIG. 12



F I G. 13

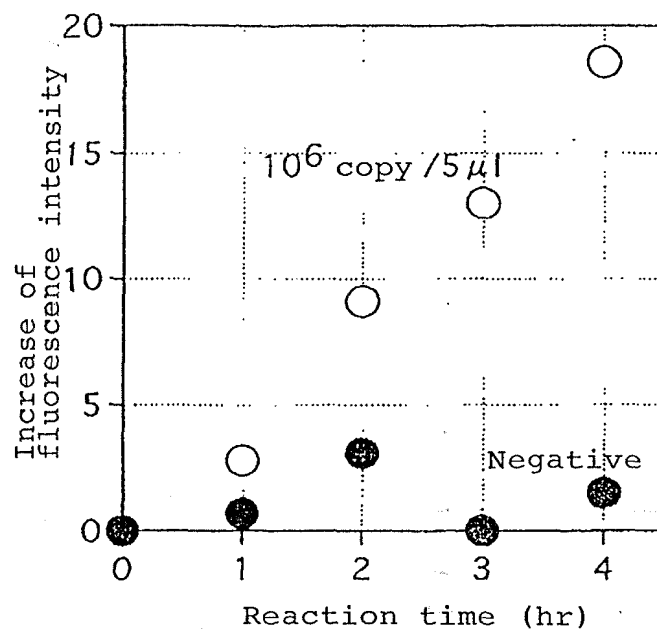
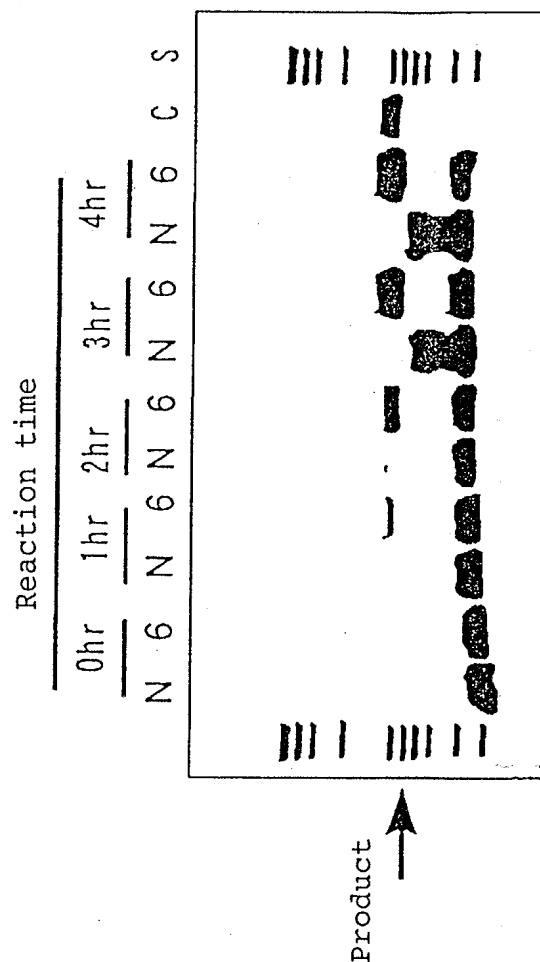


FIG. 14



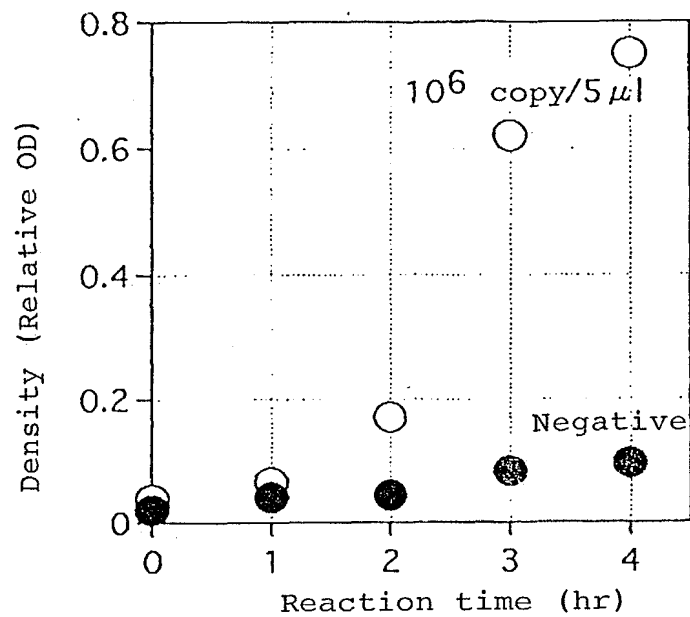
N : Negative

6 : 10^6 copy / 5μ l, Initial copy number of standard RNA

C : 10^{11} copy / 1 Standard DNA

S : ϕ X174/HaeIII

F I G. 15



F I G. 16

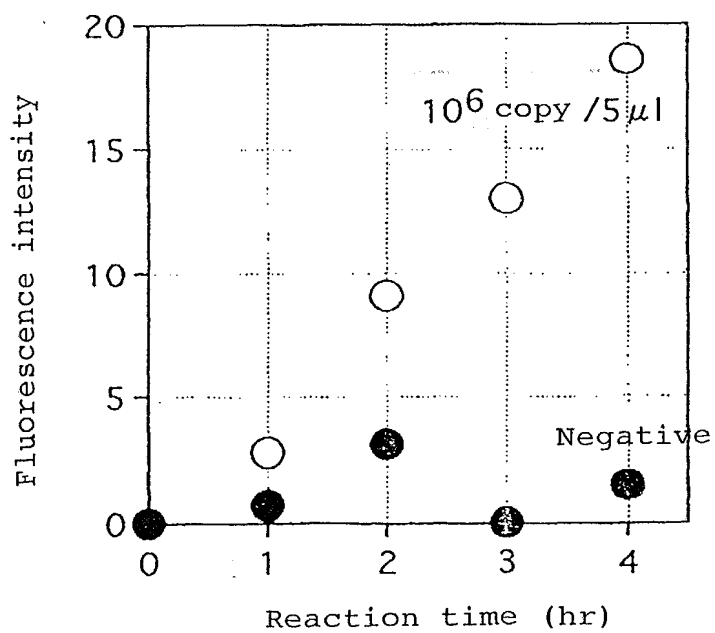


FIG. 17

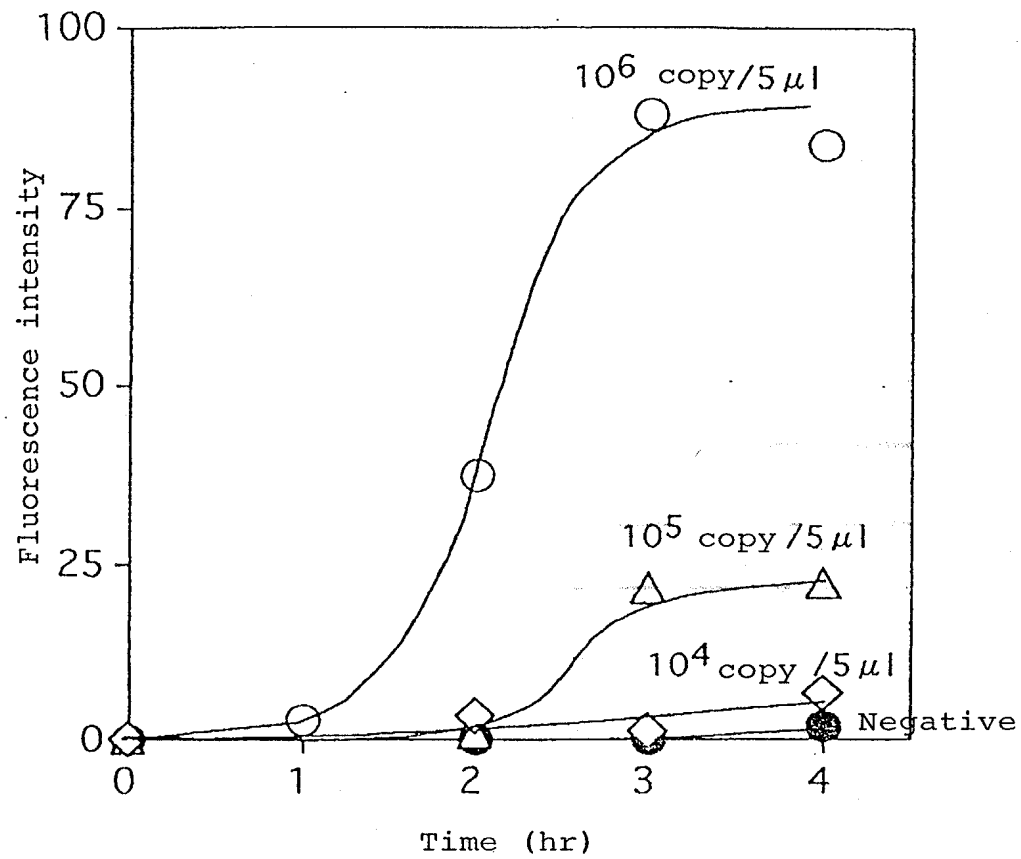


FIG. 18

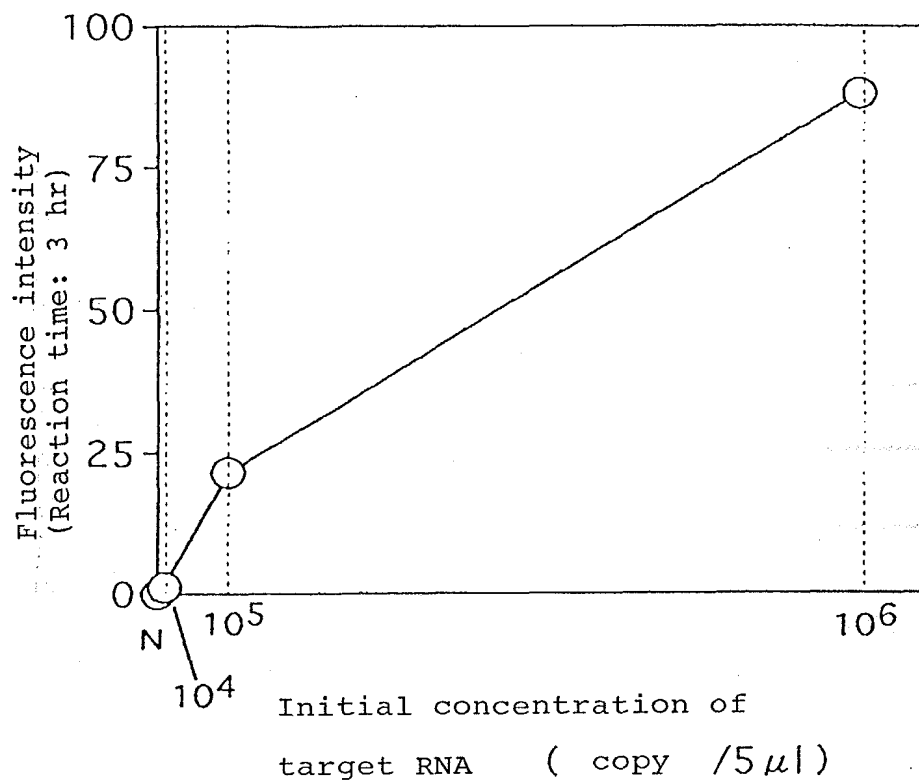


FIG. 19

